|              |                 |           | 1,       | d         | av i         | of      | CI:                  | əir          | ne            |           |          |          |                     |                  | Αp        | plic    | atl | on                 | No.      |   |              | Applicant(s) |              |           |          |        |           |           |           |           |          |  |
|--------------|-----------------|-----------|----------|-----------|--------------|---------|----------------------|--------------|---------------|-----------|----------|----------|---------------------|------------------|-----------|---------|-----|--------------------|----------|---|--------------|--------------|--------------|-----------|----------|--------|-----------|-----------|-----------|-----------|----------|--|
|              | Index of Claims |           |          |           |              |         |                      |              |               |           |          |          |                     | 10/006,600       |           |         |     |                    |          |   |              |              | LINDE ET AL. |           |          |        |           |           |           |           |          |  |
|              |                 |           |          |           |              |         |                      |              |               |           |          | ŀ        | Examiner            |                  |           |         |     |                    |          |   |              | Art Unit     |              |           |          |        |           |           |           |           |          |  |
|              |                 |           |          |           |              |         |                      |              |               |           |          | نسرم     |                     |                  |           |         |     |                    |          |   |              |              |              |           |          |        |           |           |           |           |          |  |
| Andrew       |                 |           |          |           |              |         |                      |              |               |           |          |          |                     | drew Joseph Rudy |           |         |     |                    |          |   | 3627         |              |              |           |          |        |           |           |           |           |          |  |
| <del></del>  |                 |           |          |           |              |         |                      |              |               |           |          |          |                     |                  |           |         |     |                    |          | _                                       |              |              | _            |           |          |        |           |           |           |           |          |  |
|              |                 |           | 1        | Re        | jec          | ted     |                      |              | _             | (T        | hrou     | igh r    | um                  | era              | ai)       |         |     |                    | lon-E    | Elec                                    | lected       |              |              | Appeal    |          |        |           |           | ۱         |           |          |  |
|              | - Cancelled     |           |          |           |              |         |                      |              |               |           | !<br>    | N NON-EI |                     |                  |           |         |     |                    |          |   |              |              |              |           |          | ↲      |           |           |           |           |          |  |
|              |                 |           | =        | A         | low          | ed      |                      |              | +             |           | Re       | stri     | ctec                | 1                |           |         |     | L                  | Interfe  |   | rence        |              |              | Objected  |          |        | ١         |           |           |           |          |  |
|              |                 |           | Ш        | <u> </u>  |              |         |                      |              |               |           |          |          |                     |                  | J         | L       | L   |                    |          | لــــــــــــــــــــــــــــــــــــــ |              | Ш            |              |           | _        |        | _         | ╝         |           |           |          |  |
| ı            | Ct              | im        | n Date   |           |              |         |                      |              |               |           | Claim    |          |                     |                  |           | Da      | te  |                    |          | ר                                       | C            | aim          |              | Date      |          |        |           |           |           |           | $\neg$   |  |
|              |                 |           | 4        |           |              |         | Ť                    |              | ГП            |           |          |          | П                   | TTT              |           | П       |     |                    |          |   |              | П            |              |           |          |        | П         | T         | ٦         |           |          |  |
|              | Final           | Original  | 11/15/04 |           | 1            | ı       | İ                    |              |               |           | Final    | Original |                     |                  |           |         |     |                    |          |   | Final        | Original     | H            |           |          |        |           | -         |           |           |          |  |
|              | u.              | δ         | =        |           |              |         |                      |              |               |           | u.       | 5        |                     |                  |           |         | 1   | 1                  |          |   | L.           | δ            | H            |           |          | ١      | -         | -         |           |           | ı        |  |
|              |                 | (1)       | 1        |           |              | 1       |                      |              |               |           |          | 51       | Н                   | 7                | 十         | $\top$  | T   | 1                  |          | 7                                       | <u> </u>     | 101          | Н            | 7         | 十        | 寸      | +         | 7         | 寸         |           | $\neg$   |  |
| ( <i>a</i> ) |                 | 2         | Z        | $\Box$    | 4            | - -     | Ļ                    |              | $\Box$        | $\exists$ |          | 52       | П                   | 4                | $\exists$ | Ţ       | Ţ   | $\bot$             |          | 7                                       |              | 102          |              | $\Box$    | $\Box$   | Į      | 7         | $\exists$ | $\exists$ | $\Box$    | $\Box$   |  |
| (0)          |                 | 3<br>(4)  | X        | -         | +            | ╁       | ╁                    | ┝            | Н             | $\dashv$  | -        | 53<br>54 | Н                   | $\dashv$         | +         | ╫       | ╁   | ╁                  | ╁┼       | ┨                                       | $\vdash$     | 103<br>104   | $\vdash$     | ┪         | ╌┼       | +      | +         | ┥         | +         | ᆉ         | ᅱ        |  |
|              |                 | 3         | 22       |           | ightharpoons | 丰       | 工                    |              |               |           |          | 55       |                     |                  | コ         | 土       | 土   | 上                  |          | j                                       |              | 105          |              | コ         | 土        | I      | 士         | コ         | ゴ         | 1         | ゴ        |  |
|              |                 | 6<br>7    | V        | Н         |              | +       | ╀                    | ┞            | $\sqcup$      | _         | <u> </u> | 56<br>57 | $\vdash$            |                  |           | +       | ╀   | ╀                  | ₩        | 4                                       | Ш            | 106          | Ц            | 4         | $\bot$   | 4      | 4         | 4         | $\dashv$  | 4         | 4        |  |
|              | -               | 8         | M        | H         | +            | +       | +                    | H            | H             | $\dashv$  | -        | 58       | H                   | $\dashv$         | +         | ╁       | ┿   | 十                  | $\vdash$ | ┨                                       | $\vdash$     | 107          | Н            | ┪         | +        | +      | +         | $\dashv$  | $\dashv$  | $\dashv$  | $\dashv$ |  |
|              |                 | 9         |          |           | $\Box$       |         | I                    |              |               |           |          | 59       |                     | $\Box$           | $\Box$    |         | I   |                    |          | ]                                       |              | 109          |              | コ         | 1        | Ī      |           |           |           | コ         |          |  |
|              |                 | 10<br>11  | Н        | $\vdash$  | +            | ╀       | ╀                    | ┡            | $\dashv$      | $\dashv$  | <b> </b> | 60<br>61 | $\vdash\vdash$      | $\dashv$         | +         | +       | +   | +                  | $\sqcup$ | 4                                       | $\vdash$     | 110          | Н            | 4         | $\dashv$ | 4      | -         | 4         | 4         | 4         | 4        |  |
|              | -               | 12        | Н        |           | +            | +       | 十                    | $\vdash$     | $\dashv$      | $\dashv$  | $\vdash$ | 62       | Н                   | $\dashv$         | +         | ╁       | +   | ╁                  | ╁┼       | -                                       | $\vdash$     | 112          | Н            | $\dashv$  | $\dashv$ | ┪      | $\dashv$  | ┪         | +         | +         | -        |  |
|              |                 | 13        |          |           | 工            | $\perp$ | 工                    |              |               | $\Box$    |          | 63       |                     |                  |           | 土       | İ   |                    |          | ]                                       |              | 113          |              |           |          | 1      | ユ         | ⇉         |           |           |          |  |
|              |                 | 14        | Н        | $\dashv$  | +            | ╀       | ╀                    | -            | $\dashv$      | $\dashv$  | -        | 64<br>65 | $\vdash$            | _                | +         | +       | +   | ╁-                 | ₩        | 4                                       | <u> </u>     | 114<br>115   | $\sqcup$     | 4         | -+       | 4      | 4         | 4         | 4         | 4         | _        |  |
|              |                 | 16        | Н        | $\dashv$  | ╅            | ╅       | ╅╴                   | H            |               | $\dashv$  | -        | 66       | Н                   | $\dashv$         | $\dashv$  | +       | ┿   | +                  | ╀┼       | ┨                                       | $\vdash$     | 116          | Н            | ┪         | ┰┼       | ╅      | +         | ┪         | $\dashv$  | ┥         | $\dashv$ |  |
|              |                 | 17        |          | $\Box$    |              | $\bot$  | $oldsymbol{\square}$ |              |               |           |          | 67       |                     |                  | _         | 工       | T   |                    |          | ]                                       |              | 117          |              |           | $\Box$   | コ      |           |           |           |           |          |  |
|              |                 | 18<br>19  | Н        | -         | +            | ╀       | ╀╌                   | <del> </del> | $\dashv$      | $\dashv$  | -        | 68<br>69 | Н                   | $\dashv$         | +         | ╬       | ╀   | ╀                  | ₩        | ┥                                       | $\vdash$     | 118<br>119   | $\sqcup$     | 4         | +        | 4      | +         | 4         | 4         | 4         | ᅴ        |  |
|              |                 | 20        | Н        | $\dashv$  | +            | ╈       | +-                   | -            | $\vdash$      |           | $\vdash$ | 70       | H                   | $\dashv$         | 十         | 十       | ┿   | ╁                  | ╂╌┼╌     | $\dashv$                                | H            | 120          | H            | $\dashv$  | $\dashv$ | +      | ╅         | ┪         | $\dashv$  | $\dashv$  | ᅥ        |  |
|              |                 | 21        | Ш        | $\Box$    | $\Box$       | T       | $\perp$              |              |               |           |          | 71       | П                   | $\Box$           | $\Box$    | $\perp$ | Ţ   | I                  |          | ]                                       |              | 121          |              |           |          | 1      |           | 1         | $\Box$    | $\Box$    |          |  |
|              |                 | 22        | Н        | $\dashv$  | +            | +       | ╁                    | ⊢            | $\vdash$      | $\dashv$  | -        | 72<br>73 | ╂╌┨                 | $\dashv$         | +         | ╀       | +   | ╀                  | ╌        | ┨                                       | $\vdash$     | 122<br>123   | $\vdash$     | $\dashv$  | +        | +      | +         | -         | $\dashv$  | 4         | $\dashv$ |  |
|              |                 | 24        |          |           | $\Box$       | 1       | 士                    |              |               |           |          | 74       | Н                   | 寸                | 士         | 士       | t   | +                  |          | 1                                       |              | 124          |              | 7         | +        | +      | 1         | ┪         | 7         | 7         | $\dashv$ |  |
|              |                 | 25        | Н        | $\Box$    | 4            | 1       | $\perp$              | _            |               | $\Box$    |          | 75       | П                   | $\dashv$         | $\bot$    | $\perp$ | Ţ   | $\perp$            | П        | ]                                       |              | 125          | П            | $\Box$    | $\Box$   | $\Box$ | $\Box$    | $\Box$    | $\Box$    | $\Box$    |          |  |
|              |                 | 26<br>27  | Н        | $\vdash$  | +            | +       | ╁                    | ┝            | $\dashv$      | $\dashv$  | -        | 76<br>77 | H                   | $\dashv$         | +         | ╁       | ┿   | ╁                  | ╀        | ┨                                       | <u> </u>     | 126<br>127   | Н            | ┥         | $\dashv$ | +      | $\dashv$  | ┥         | +         | +         | -{       |  |
|              |                 | 28        |          |           | 土            |         | 1                    |              |               |           |          | 78       |                     |                  | 士         | $\pm$   | T   | $\dagger$          |          | 1                                       |              | 128          |              | $\exists$ | $\Box$   | T      | $\exists$ |           | $\exists$ | _         | $\dashv$ |  |
|              |                 | 29        | Ш        | $\Box$    | 4            | 4       | 1                    | $oxed{oxed}$ | $\Box$        |           | L        | 79       | П                   | $\Box$           | 1         | $\perp$ | Ţ   | $oldsymbol{\perp}$ |          | 7                                       |              | 129          | П            | $\Box$    | $\dashv$ | $\Box$ | $\Box$    | $\Box$    | 4         | $\Box$    | $\Box$   |  |
|              |                 | 30<br>31  | Н        | $\dashv$  | ┰            | ╁       | ╁                    | $\vdash$     | $\dashv$      | $\dashv$  | $\vdash$ | 80<br>81 | $\vdash$            | $\dashv$         | $\dashv$  | ╌       | ╁   | ╁                  | ╁        | ┨                                       | $\vdash$     | 130<br>131   | $\vdash$     | ┥         | +        | +      | +         | +         | $\dashv$  | $\dashv$  | ᅱ        |  |
|              |                 | 32        |          |           | 士            | 土       | 1                    |              |               |           |          | 82       |                     |                  | 士         |         | İ   |                    |          | 1                                       |              | 132          |              |           |          | 1      | 寸         | 7         | ヿ         | ┪         | ٦        |  |
|              |                 | 33        | Н        | $\Box$    | +            | 4       | $\bot$               | L            | Ц             | _         | -        | 83       | $\Box$              | $\Box$           | $\Box$    | Ţ       | Ţ   | T                  | Н        | 4                                       |              | 133          |              | $\Box$    | 1        | 4      | $\Box$    | $\Box$    | $\Box$    | $\Box$    | $\Box$   |  |
|              |                 | 35        | Н        | $\forall$ | +            | ╁       | ╁╴                   | H            | Н             | $\dashv$  | -        | 84       | H                   | $\dashv$         | $\dashv$  | +       | +   | ╁                  | $\vdash$ | ┨                                       | $\vdash$     | 134<br>135   | Н            | $\dashv$  | $\dashv$ | +      | $\dashv$  | ┥         | +         | +         | $\dashv$ |  |
|              |                 | 36        |          |           | 工            | 工       |                      |              |               |           |          | 86       |                     |                  | 土         | 土       | İ   | Ĺ                  |          | <u> </u>                                |              | 136          |              | $\exists$ | 士        | İ      |           |           |           | $\exists$ | ゴ        |  |
|              |                 | '37<br>38 | Н        | $\dashv$  | -            | +       | $\bot$               | L            | Н             |           | $\vdash$ | 87       | $\sqcup$            | -                | -         | - -     | +   | +                  | $\sqcup$ | 4                                       |              | 137          |              | $\dashv$  | 4        | 4      | _         | 4         | $\dashv$  | $\dashv$  | $\Box$   |  |
|              |                 | 39        | Н        | Н         | ┰            | ┿       | ╁                    | $\vdash$     | $\vdash$      |           |          | 88<br>89 | Н                   | $\dashv$         | ╅         | ╁       | ╁   | ╁                  | ╁┼       | ┨                                       | <del> </del> | 138<br>139   | Н            | $\dashv$  | +        | ╁      | ┽         | ┥         | ┥         | $\dashv$  | -        |  |
|              |                 | 40        |          |           | 二            | 工       |                      |              |               |           |          | 90       |                     |                  | 工         | 土       | İ   | 仜                  |          | 1                                       |              | 140          |              | コ         | 士        |        |           |           | I         | $\exists$ |          |  |
|              |                 | 41        | Н        | Н         | +            | +       | 4                    | H            | $\vdash \mid$ | _         | <u> </u> | 91<br>92 | $oldsymbol{\sqcup}$ | $\dashv$         | $\bot$    | $\bot$  | Ŧ   | Ļ                  | H        | 4                                       | <u> </u>     | 141          | $\Box$       | 4         | 1        | 4      | $\bot$    | 4         | $\dashv$  | 4         | 긔        |  |
|              |                 | 43        | Н        | -         | +            | +       | 十                    | $\vdash$     | $\vdash$      | $\dashv$  | $\vdash$ | 93       | ╁┤                  | $\dashv$         | +         | +       | +   | +                  | ++       | $\exists$                               | $\vdash$     | 142          | H            | $\dashv$  | +        | +      | +         | +         | $\dashv$  | +         | $\dashv$ |  |
|              |                 | 44        |          |           | 士            | I       | 工                    | 匚            |               |           |          | 94       | 口                   |                  | 士         | 士       | I   | I                  | 口        | ]                                       |              | 144          | 口            | ╛         | 士        | 1      | 士         | ╛         | コ         | コ         | ゴ        |  |
|              |                 | 45<br>46  | Н        | $\dashv$  | +            | +       | +                    | $\vdash$     | Н             | $\dashv$  | <u></u>  | 95<br>96 | $\vdash$            |                  | 4         | +       | +   | ╀                  | $\sqcup$ | 4                                       |              | 145<br>146   | $\prod$      | -         | 4        | 4      | 4         | 4         | $\dashv$  | 4         | 4        |  |
|              |                 | 47        | H        | H         | +            | +       | +                    | $\vdash$     | Н             | $\dashv$  | -        | 97       | ╁┤                  | +                | +         | +       | +   | ╁                  | ╁┼       | ┨                                       | $\vdash$     | 147          | ╁            | $\dashv$  | +        | +      | +         | ┥         | +         | +         | $\dashv$ |  |
|              |                 | 48        |          | 耳         | $\Box$       | I       | T                    |              |               |           |          | 98       | 口                   | 口                | ユ         | 工       | I   | 1                  |          | 1                                       |              | 148          | 口            |           | ユ        | 1      | 1         | コ         |           | ⇉         | $\Box$   |  |
|              |                 | 49        | L        | Н         | +            | 4       | +                    | L            | Н             | $\sqcup$  | <b>—</b> | 99       | $\sqcup$            | $\dashv$         | 4         | $\perp$ | +   | +                  | $\vdash$ | 4                                       | <u> </u>     | 149          | Ы            | 4         | 4        | 4      | 4         | 4         | 4         | 4         | 4        |  |